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- (54) Improvement in fluidized bed reaction systems using unsupported catalyts
- (57) A process is described for increasing the space time yield of polymer production in a fluidized bed reactor employing an exothermic polymerization reaction by

cooling the recycle stream to below its dew point and returning the resultant two-phase fluid stream to the reactor to maintain the fluidized bed at a desired temperature above the dew point of the recycle stream.



EUROPEAN SEARCH REPORT

Application Number EP 96 30 9218

	Citation of document with ind	ERED TO BE RELEVANT	Relevant	CLASSIFICATION OF THE	
megory	of relevant pass		to chim	APPLICATION (IBLCL6)	
Y,D	US 4 543 399 A (JENK 24 September 1985 * abstract; claims 1	INS III JOHN M ET AL)	1,2,4,5	C08F10/02 C08F2/34	
Y,D	US 5 317 036 A (UNIO PLASTIC) 20 April 19 * abstract; claims 1		1,2,4,5	·	
A	* abstract *		1,4,5		
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	The present search report has been drawn up for all claims		1		
	Place of scarch Date of completion of the scarch		᠘	Lighter	
	THE HAGUE	25 September 199	7 Ga	amb, V	
Y:p	CATEGORY OF CITED DOCUMER articularly relevant if taken alone articularly relevant if combined with abo ocument of the same category	T: theory or princi E: earlier parent d adter the filing ther D: document cited	T: theory or principle underlying the invention E: centice patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons		